

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	B32B17/10	B32B31/02	B32B31/04	B32B31/14	C03C27/12
	B60J1/02	B29C35/02	B29C51/02		

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B32B B60J C03C G02B B29C G01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91/19586 A (MONSANTO CO) 26 December 1991 (1991-12-26) cited in the application page 1, line 8 – page 7, line 33; figures 1,3	1,3,5,7, 8,10-15
A	page 7, line 34 – page 8, line 32; figure 3	2,16
A	page 10, line 35 – page 17, line 28 ----- US 5 264 058 A (HOAGLAND JOHN C ET AL) 23 November 1993 (1993-11-23) cited in the application column 3, line 32 – column 5, line 64; claims 1-16 ----- -/-	1,5-7, 10-13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

14 September 2004

Date of mailing of the International search report

24/09/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 261 398 B1 (COSTA PETER) 17 July 2001 (2001-07-17) column 1, line 12 - column 2, line 60 column 4, line 40 - column 5, line 32 claims 1-13; figure 1; examples 1,2	1,3,5-8, 10-15
A	PATENT ABSTRACTS OF JAPAN vol. 010, no. 040 (M-454), 18 February 1986 (1986-02-18) & JP 60 193638 A (ASAHI GLASS KK), 2 October 1985 (1985-10-02) abstract	1,5,7,8, 11-13
A	DE 199 02 471 A (SEKURIT SAINT GOBAIN DEUTSCH) 3 August 2000 (2000-08-03) column 1, line 3 - column 2, line 38 column 3, lines 18-51	1,4,5,9
A	US 5 209 881 A (CHARBONNET DERRICK) 11 May 1993 (1993-05-11) column 3, lines 19-31	16

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9119586	A	26-12-1991	US	5069734 A		03-12-1991
			US	5529654 A		25-06-1996
			AT	101559 T		15-03-1994
			AU	644191 B2		02-12-1993
			AU	8056191 A		07-01-1992
			BR	9106568 A		25-05-1993
			CA	2084662 A1		19-12-1991
			DE	69101221 D1		24-03-1994
			DE	69101221 T2		11-08-1994
			DK	535128 T3		09-05-1994
			EP	0535128 A1		07-04-1993
			ES	2050056 T3		01-05-1994
			JP	5507661 T		04-11-1993
			KR	9512799 B1		21-10-1995
			MX	171196 B		06-10-1993
			WO	9119586 A1		26-12-1991
US 5264058	A	23-11-1993	EP	0655975 A1		07-06-1995
			JP	8500545 T		23-01-1996
			JP	3464671 B2		10-11-2003
			WO	9404357 A1		03-03-1994
US 6261398	B1	17-07-2001	DE	19711459 A1		24-09-1998
			AU	7032898 A		12-10-1998
			BR	9808280 A		16-05-2000
			DE	59806822 D1		06-02-2003
			WO	9841396 A1		24-09-1998
			EP	0975463 A1		02-02-2000
			JP	2001521480 T		06-11-2001
			PL	335569 A1		08-05-2000
JP 60193638	A	02-10-1985		NONE		
DE 19902471	A	03-08-2000	DE	19902471 A1		03-08-2000
			AT	248710 T		15-09-2003
			DE	60004900 D1		09-10-2003
			DE	60004900 T2		22-07-2004
			EP	1029662 A1		23-08-2000
			ES	2204460 T3		01-05-2004
			JP	2000247691 A		12-09-2000
			KR	2000053565 A		25-08-2000
			PL	337959 A1		31-07-2000
			PT	1029662 T		27-02-2004
			US	6410120 B1		25-06-2002
US 5209881	A	11-05-1993		NONE		